

## REFRESHING DATA SECTORS IN A DATA STORAGE DEVICE

### ABSTRACT OF THE DISCLOSURE

5           Data on a storage medium are refreshed by reading the data from  
a first location on the storage medium, storing them to a second location,  
and reading the data from the second location and storing them at the  
first location. The first and second locations are first and second physical  
locations and a logical address is initially associated with the first  
10   physical location. When the data are stored at the second location, the  
association of the logical address is changed to the second physical  
location. When the data are stored again at the first location, the  
association of the logical address is changed to the first physical address.  
The process is performed iteratively on the basis of successive logical  
15   block addresses. If the storing the data at the first location is interrupted,  
the data is re-read from the second location, and re-stored to the first  
location.